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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.             | CONFIRMATION NO.            |
|---|-------------|----------------------|---------------------------------|-----------------------------|
| 10/509,060  | 06/17/2005  | Fernande Boisson     | 0070681-000014                  | 1545                        |
| 21839 7590 10/24/2007<br>BUCHANAN, INGERSOLL & ROONEY PC<br>POST OFFICE BOX 1404<br>ALEXANDRIA, VA 22313-1404 |             |                      | EXAMINER<br>ZIMMER, MARC S      |                             |
|   |             |                      | ART UNIT<br>1796                | PAPER NUMBER                |
|   |             |                      | NOTIFICATION DATE<br>10/24/2007 | DELIVERY MODE<br>ELECTRONIC |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com  
debra.hawkins@bipc.com

|                              |                               |                                |  |
|------------------------------|-------------------------------|--------------------------------|--|
| <b>Office Action Summary</b> | Application No.<br>10/509,060 | Applicant(s)<br>BOISSON ET AL. |  |
|                              | Examiner<br>Marc S. Zimmer    | Art Unit<br>1712               |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 August 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 13-15, 17, 26, 27, 37-42, 55-58 and 61-70 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 13-15, 17, 26, 27, 37-42, 55-58 and 61-67 is/are rejected.
- 7) ☒ Claim(s) 68-70 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

The various claim objections and rejections under 35 U.S.C. 112 are hereby withdrawn in view of Applicant's amendments.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13-15, 17, 26-27, 37-42, 55-58, and 61-66 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rubinsztajn et al., U.S. Patent # 5,510,430 in view of Bordone et al., WO01/44349 for the reasons outlined previously.

Claims 13-15, 17, 26-27, 37-42, 55-58, and 61-66 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kobayashi et al., U.S. Patent # 5,527,873 in view of Bordone et al., WO01/44349 for the reasons outlined previously.

There is an implication in Applicant's earlier remarks, though not stated explicitly, that one of ordinary skill in the art would have no expectation that the methodology employed by Bordone could be extended to re-equilibration reactions of the type described by Rubinsztajn and Kobayashi because "the presence of Q units dramatically changes the chemistry of such reactants". In this connection, they point out that, whereas organosilicon polymers comprised largely of M, D, and a small number of T units are oils/liquids, those comprised mostly of M and Q units are solids. The Examiner sees no usefulness in this observation whatsoever as a means of supporting

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the notion that the skilled artisan would predict that MQ polymers would not participate in equilibration reactions that are catalyzed by supported triflic acid. Applicant offers no empirical, or even anecdotal, evidence that casts doubt on the premise that supported triflic acid would be an effective equilibration catalyst for linear and resinous silicones alike.

Applicant then mischaracterizes the redistribution reactions taught by Rubinsztajn as those between disiloxanes and chlorosilanes. Review of the teachings under the heading, "Summary of the Invention" confirm that the reactions are, in fact, those between MQ resin and a source of dialkylsilyl, alkenyldialkylsilyl, etc of which disiloxanes are exemplary.

It is Applicant's contention that Rubinsztajn does not teach redistribution reactions of MQ resins and functional oligo-organosiloxanes or functional polyorganosiloxanes (emphasis theirs) but the Examiner respectfully disagrees. The term "Oligo-organosiloxanes" absolutely embraces disiloxanes. Indeed, it is said of the POSf only that it contains M or D or T units hence disiloxanes are clearly one available embodiment of this reactant.

The arguments against the validity of the combination of Kobayashi and Bordone is much the same. Thus, the Examiner's remarks apply here also.

Concerning Applicants arguments against the rejection of claim 15 over Rubinsztajn, there is no inconsistency in the Examiner's statements. Because claim 15 depends from claim 14, all of the limitation of claim 14 read into claim 15. That is to

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say, claim 15 should be interpreted in such a way that the inert filler may still be carbon black, diatomaceous earth, etc but, in the event that the filler is an oxide, it must be one of the oxides mentioned in claim 15.

### ***Double Patenting***

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 13, 26, 37, 41, 55, 58, 61-64, and 67 are provisionally rejected on the ground of nonstatutory double patenting over claims 12-34 of copending Application No. 10/509071. This is a provisional double patenting rejection since the conflicting claims have not yet been patented.

The subject matter claimed in the instant application is fully disclosed in the referenced copending application and would be covered by any patent granted on that

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copending application since the referenced copending application and the instant application are claiming common subject matter.

This rejection will not be held in abeyance because both applications were filed on the same day.

***Allowable Subject Matter***

Claims 68-70 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

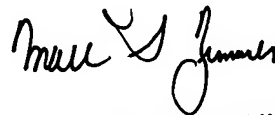
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc S. Zimmer whose telephone number is 571-272-1096. The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 16, 2007



MARC S. ZIMMER  
PRIMARY EXAMINER